

Sequence Listing

SEQ ID NO: 1: SAP amino acid sequence

A G K T F P D V P A D H W G I D

S I N Y L V E K G A V K G N D

K G M F E P G K E L T R A E A

A T M M A Q I L N L P I D K D

A K P S F A D S Q G Q W Y T P

F I A A V E K A G V I K G T G

N G F E P N G K I D R V S M A

S L L V E A Y K L D T K V N G

T P A T K F K D L E T L N W G

K E K A N I L V E L G I S V G

T G D Q W E P K K T V T K A E

A A Q F I A K T D K Q F G T E

A A K V E S A K A V T T Q K V

E V K F S K A V E K L T K E D

I K V T N K A N N D K V L V K

E V T L S E D K R S A T V E L

Y S N L A A K Q T Y T V D V N

K V G K T E V A V G S L E A K

T I E M A D Q T V V A D E P T

A L Q F T V K D E N G T E V V

S P E G I E F V T P A A E K I

N A K G E I T L A K G T S T T

V K A V Y K K D G K V V A E S

K E V K V S A E G A A V A S I

S N W T V A E Q N K A D F T S

K D F K Q N N K V Y E G D N A

Y V Q V E L K D Q F N A V T T

GKVEYESLNTEVAVV
DKATGKVTVLSAGKA
PVKVTVKDSKGKALV
SHTVEIEAFAQKAMK
DIKLEKTNVALSTKD
VTDLKVKAPVLDQYG
KEFTAPVTVKVLDKD
GKELKEQKLEAKYVN
RELVLNAAGQEAGNY
TVVLTAKSGEKEAKA
TLALELKAPGAFSKF
EVRGLDTELDKYVTE
ENQKNAMTVSVLPVD
ANGLVLKGAEAAELK
VTTTNKEGKEVDATD
AQVTVQNNSVITVGQ
GAKAGETYKVTVVLD
GKLITTHSFKVVDTA
PTAKGLAVEFTSTSL
KEVAPNADLKAALLN
ILSVDGVPATTAKAT
ASNVEFVSADTNVVA
ENGTVGAKGATSIYV
KNLTVVKDGKEQKVE
FDKAVQVAVSIKEAK
PATK

SEQ ID NO: 2 SAP nucleotide sequence

AAAACATTCCCAGACGTTCTGCTGATCACTG
GGGAATTGATTCCATTAAGTACTTAGTAGAAAAAGGCGCAGTTAAAGGTA
ACGACAAAGGAATGTTTCGAGCCTGGAAAAGAATTAAGTCTGTCAGAAGCA
GCTACAATGATGGCTCAAATCTTAACTTACCAATCGATAAAGATGCTAA
ACCATCTTTTCGCTGACTCTCAAGGCCAATGGTACACTCCATTTCATCGCAG
CTGTAGAAAAAGCTGGCGTTATTAAAGGTACAGGAAACGGCTTTGAGCCA
AACGGAAAAATCGACCGCGTTTCTATGGCATCTCTTCTTGTAGAAGCTTA
CAAATTAGATACTAAAGTAAACGGTACTCCAGCAACTAAATTCAAAGATT
TAGAAACATTAACTGGGGTAAAGAAAAAGCTAACATCTTAGTTGAATTA
GGAATCTCTGTTGGTACTGGTGTATCAATGGGAGCCTAAGAAAACTGTAAC
TAAAGCAGAAGCTGCTCAATTCATTGCTAAGACTGACAAGCAGTTCGGTA
CAGAAGCAGCAAAAGTTGAATCTGCAAAAGCTGTTACAACCTCAAAAAGTA
GAAGTTAAATTCAGCAAAGCTGTTGAAAAATTAAGTAAAGAAGATATCAA
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CTACTGTAAAAGCTGTTTATAAAAAGACGGTAAAGTAGTAGCTGAAAGT
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GTAAACACAGAAAGTTGCTGTAGTAGATAAAGCTACTGGTAAAGTAACTG
TATTATCTGCAGGAAAAGCACCAGTAAAGTAACTGTAAAAGATTCAAAA
GGTAAAGCACTTGTTTCACACACAGTTGAAATTGAAGCTTTTCGCTCAAAA
AGCAATGAAAGACATTAAATTAGAAAAAACTAACGTAGCGCTTTCTACAA
AAGATGTAAACAGATTTAAAGTAAAGCTCCAGTACTAGATCAATACGGT
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AGCTCCAGGTGCATTCTCTAAATTTGAAGTTTCGTGGTTTAGACACAGAAT
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GTTCTTCCTGTAGATGCAATGGATTAGTATTAAAGGTGCAGAAGCAGC
TGAACATAAAGTAACAACAACAACAAGAAGGTAAAGAAGTAGACGCAA
CTGATGCACAAGTTACTGTACAAAATAACAGTGTAATTACTGTTGGTCAA
GGTGCAAAAGCTGGTGAGACTTATAAAGTAACAGTTGTACTAGATGGTAA
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AAGGATTAGCAGTAGAATTTACAAGCACATCTCTTAAAGAAGTAGCTCCA
AATGCTGATTTAAAGCTGCACTTTTAAATATCTTATCTGTTGATGGTGT
ACCTGCGACTACAGCAAAAGCAACAGCTTCTAATGTAGAATTTGTTTCTG
CTGACACAAATGTTGTAGCTGAAAATGGTACAGTTGGTGCAAAAGGTGCA
ACATCTATCTATGTGAAAAACCTGACAGTTGTAAAAGATGGAAAAGAGCA
AAAAGTAGAATTTGATAAAGCTGTACAAGTTGCAGTTTCTATTAAAGAAG

CAAAACCTGCAACAAAACATCACCATCACCATCACTAA

SEQ ID NO: 2 SAP nucleotide sequence

AAAACATTCCCAGACGTTCTGCTGATCACTG
 GGG AATTGATTCCATTA ACTACTTAGTAGAAAAAGGCGCAGTTAAAGGTA
 ACGACAAAGGAATGTTTCGAGCCTGGAAAAGAATTA ACTCGTGCAGAAGCA
 GCTACAATGATGGCTCAAATCTTAACTTACCAATCGATAAAGATGCTAA
 ACCATCTTTTCGCTGACTCTCAAGGCCAATGGTACACTCCATTCATCGCAG
 CTGTAGAAAAAGCTGGCGTTATTAAAGGTACAGGAAACGGCTTTGAGCCA
 AACGGAAAAATCGACCGCGTTTCTATGGCATCTCTTCTTGTAGAAGCTTA
 CAAATTAGATACTAAAGTAAACGGTACTCCAGCAACTAAATTCAAAGATT
 TAGAAACATTAACTGGGGTAAAGAAAAAGCTAACATCTTAGTTGAATTA
 GGAATCTCTGTTGGTACTGGTGATCAATGGGAGCCTAAGAAAAGTGTAA
 TAAAGCAGAAGCTGCTCAATTCATTGCTAAGACTGACAAGCAGTTCGGTA
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 GAAGTTAAATTCAGCAAAGCTGTTGAAAAATTA ACTAAAGAAGATATCAA
 AGTAACTAACAAAGCTAACACGATAAAGTACTAGTTAAAGAGGTA ACTT
 TATCAGAAGATAAAAGATCTGCTACAGTTGAATTATATAGTAACTTAGCA
 GCTAAACAACTTACACTGTAGATGTAAACAAAGTTGGTAAAACAGAAGT
 AGCTGTAGGTTCTTTAGAAGCAAAAACAATCGAAATGGCTGACCAAACAG
 TTGTAGCTGATGAGCCAAACAGCATTACAATTCACAGTTAAAGATGAAAAC
 GGTACTGAAGTTGTTTCACCAGAGGGTATTGAATTTGTAACGCCAGCTGC
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 AAAGAAGTAAAAGTTTCTGCTGAAGGTGCTGCAGTAGCTTCAATCTCTAA
 CTGGACAGTTGCAGAACAAAATAAAGCTGACTTTACTTCTAAAGATTTCA
 AACAAAACAATAAAGTTTACGAAGGCGACAACGCTTACGTTCAAGTAGAA
 TTGAAAGATCAATTTAACGCAGTAACA ACTGGAAAAGTTGAATATGAGTC
 GTTAAACACAGAAGTTGCTGTAGTAGATAAAGCTACTGGTAAAGTAACTG
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 GGTAAGCACTTGTTTCACACACAGTTGAAATTGAAGCTTTCGCTCAAAA
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 AAGATGTAAACAGATTTAAAAGTAAAAGCTCCAGTACTAGATCAATACGGT
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 TTCTGAATGCAGCAGGTCAAGAAGCTGGTAATTATACAGTTGTATTA ACT
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 GTTCTTCCTGTAGATGCAAATGGATTAGTATTAAAAGGTGCAGAAGCAGC
 TGA ACTAAAAGTAACAACAACAACAAGAAGGTAAAGAAGTAGACGCAA
 CTGATGCACAAGTTACTGTACAAAATAACAGTGTAATTACTGTTGGTCAA
 GGTGCAAAAAGCTGGTGAGACTTATAAAGTAACAGTTGTACTAGATGGTAA
 ATTAATCACA ACTCATTCAATCAAAGTTGTTGATACAGCACCAACTGCTA
 AAGGATTAGCAGTAGAATTTACAAGCACATCTCTTAAAGAAGTAGCTCCA
 AATGCTGATTTAAAAGCTGCACTTTTAAATATCTTATCTGTTGATGGTGT
 ACCTGCGACTACAGCAAAAAGCAACAGCTTCTAATGTAGAATTTGTTTCTG
 CTGACACAAATGTTGTAGCTGAAAATGGTACAGTTGGTGCAAAAAGGTGCA
 ACATCTATCTATGTGAAAAACCTGACAGTTGTAAAAGATGGAAAAGAGCA
 AAAAGTAGAATTTGATAAAGCTGTACAAGTTGCAGTTTCTATTAAAGAAG

CAAAACCTGCAACAAAACATCACCATCACCATCACTAA

[illegible]